

0334 U.S. PTO  
07/14/03**UTILITY PATENT APPLICATION TRANSMITTAL  
(Large Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
A-9508B

Total Pages in this Submission

**TO THE ASSISTANT COMMISSIONER FOR PATENTS**Box Patent Application  
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**METHOD OF DOPING SILICON, METAL DOPED SILICON, METHOD OF MAKING SOLAR CELLS,  
AND SOLAR CELLS**

and invented by:

**Hameed A. NASEEM, M. Shahidul HAQUE, and William D. BROWN**03807 U.S. PTO  
10/617698  
07/14/03If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 10/029,859

Which is a:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 08/855,229

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 45 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☐ Cross References to Related Applications (if applicable)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (if filed)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

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**Application Elements (Continued)**

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal                      Number of Sheets      10 (Figs. 1-9)
- b. ☐ Informal                      Number of Sheets      \_\_\_\_\_
4. ☒ Oath or Declaration
- a. ☐ Newly executed *(original or copy)*      ☐ Unexecuted
- b. ☒ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney      ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference *(usable if Box 4b is checked)*  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under  
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby  
incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

9. ☐ Assignment Papers *(cover sheet & document(s))*
10. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
11. ☐ English Translation Document *(if applicable)*
12. ☒ Information Disclosure Statement/PTO-1449      ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☐ Certificate of Mailing
- ☐ First Class      ☐ Express Mail *(Specify Label No.):* \_\_\_\_\_

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**Accompanying Application Parts (Continued)**

17. ☒ Additional Enclosures *(please identify below)*:

Change of Correspondence Address

Revocation and Power of Attorney from grandparent application

Statement Under 37 C.F.R. § 3.73(b) from grandparent application

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

**Warning**

*An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.*

19. ASSIGNEE INFORMATION:

Assignee: The Board of Trustees of the University of Arkansas

**UTILITY PATENT APPLICATION TRANSMITTAL**  
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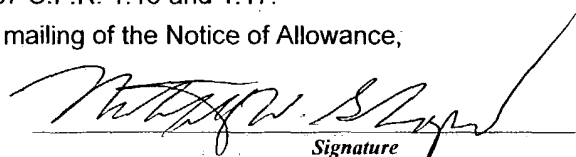
Total Pages in this Submission

**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	53	- 20 =	33	x \$18.00	\$594.00
Indep. Claims	8	- 3 =	5	x \$84.00	\$420.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$750.00
OTHER FEE (specify purpose)					\$0.00
TOTAL FILING FEE					\$1,764.00

- ☒ A check in the amount of **\$1,764.00** to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. **50-1165** as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

  
Signature

Mitchell W. Shapiro, Reg. No. 31,568  
Miles & Stockbridge P.C.  
1751 Pinnacle Drive  
Suite 500  
McLean, Virginia 22102  
(703) 610-8652

Dated: July 14, 2003

CC: /lmb

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>In re application of:</b>	H.A. Naseem et al.		
<b>Appl. No.:</b>	08/855,229	<b>Group Art Unit:</b>	2814
<b>Filed:</b>	May 13, 1997	<b>Examiner:</b>	W. Coleman
<b>For:</b>	METHOD OF DOPING SILICON, METAL DOPED SILICON, METHOD OF MAKING SOLAR CELLS, AND SOLAR CELLS		

**STATEMENT UNDER 37 C.F.R. § 3.73(b)**

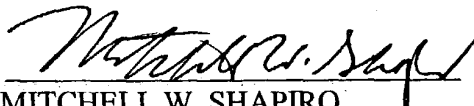
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The Board of Trustees of the University of Arkansas, a body politic and corporate duly organized under the laws of the State of Arkansas, certifies that it is the Assignee of the above-identified patent application by virtue of an Assignment from the inventors of said patent application, said Assignment having been recorded in the U.S. Patent and Trademark Office on November 17, 1997 and recorded at Reel 8859, Frame 0365.

The undersigned is authorized to sign this Statement on behalf of said Assignee.

Dated: August 30, 2001

By:   
MITCHELL W. SHAPIRO  
Reg. No. 31,568  
Attorney for Assignee

Miles & Stockbridge  
1751 Pinnacle Drive  
Suite 500  
McLean, VA 22102-3833  
Phone: 703-610-8652  
Fax: 703-610-8686

**CERTIFICATION OF FACSIMILE TRANSMISSION**

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

  
Mitchell W. Shapiro

August 30, 2001  
Date